

1. A plasma display panel which has a front substrate having sustaining electrodes wired thereon and a rear substrate having address electrodes wired thereon and displays an image by means of electric discharge that occurs in a minute discharge space formed in a gap between the two substrates and which has a protective film comprising at least one metal oxide which covers a dielectric layer provided to the front substrate, the protective film being constituted essentially of a material which undergoes an elimination of a major part of moisture and carbon dioxide adsorbed thereonto at a temperature of 350°C or less.

2. A plasma display panel which has a front substrate having sustaining electrodes wired thereon and a rear substrate having address electrodes wired thereon and displays an image by means of electric discharge that occurs in a minute discharge space formed in a gap between the two substrates and which has a protective film comprising at least one metal oxide which covers a dielectric layer provided to the front substrate, the protective film being constituted essentially of a material which undergoes an elimination of 90% or more of moisture and carbon dioxide adsorbed thereonto by heat evacuation having a temperature of 350°C or less.

3. A plasma display panel which has a front substrate having sustaining electrodes wired thereon

and a rear substrate having address electrodes wired thereon and displays an image by means of electric discharge that occurs in a minute discharge space formed in a gap between the two substrates and which has a protective film comprising at least one metal oxide which covers a dielectric layer provided to the front substrate, the protective film being constituted essentially of a material in which a crystal orientation of the film in a direction parallel to the substrate surface consists mainly of the (111) plane and a plane exposed to the surface is mainly the (200) plane and the (220) plane.

4. The plasma display panel according to claim 1, 2 or 3 wherein the protective film comprises at least one oxide comprising magnesium oxide as a main component.

5. The plasma display panel according to claim 4 wherein the protective film comprises magnesium oxide as a main component and additionally at least one oxide of an element selected from the group consisting of Ca, Sr, Ba, Zn, Al, Zr, Si, Ti, Sn, Ce and La.